

# DECEMBER

at the

## CALIFORNIA ACADEMY OF SCIENCES

### DECEMBER MEETING

Date: Wednesday, December 18, 8:15 p.m.

Place: Morrison Auditorium

Speaker: Stennett S. Heaton

Subject: "COLOR MICRO-PHOTOGRAPHS OF NATURE"

Members of the Academy will recall with pleasure an arresting display of breathtaking micro-photographs by Mr. Heaton presented in Lovell White Hall in late 1960 and early 1961 (See PACIFIC DISCOVERY, Jan-Feb 1961, Academically Speaking).

Mr. Heaton has continued his unusual craft of photographing the natural world that lies below the power of our unaided vision. This deeper dimension comes to radiant fulfillment when his 35mm color slides are projected on a large viewing screen, the designs and colors reinforced with strong, white light. For example: A magnification of approximately 200 times natural size of a segment of a moth's wing becomes a brilliantly colored abstract design. A microscopic view of a tiny spot on the back of a beetle becomes a glowing stained glass window of green, lavender and blue.

Through Mr. Heaton's lens, art is discovered where it is least likely expected.

### MORRISON PLANETARIUM

The Planetarium will be closed to the public from December 2 through January 7 for major maintenance. It will reopen January 8 with an all new sky show entitled "ORION THE HUNTER".

### SPECIAL EXHIBITS

Exhibit of the Month: "GREENLAND ESKIMO ARTIFACTS" from the Louise A. Boyd Collection. Selected items from the gift made by Miss Boyd last spring, including ivory carvings, a kayak model and a narwhal tusk. Main Foyer, Science Museum.

"THE NORTHERN SEA OTTER", black and white photographs and text by Karl W. Kenyon, biologist with the U.S. Wildlife Service. Lovell White Hall of Man and Nature. Through February 15, 1964.

### "SCIENCE IN ACTION"

Thursday nights, 7:30 p.m., KTVU-TV, Channel 2

December 5: "THE EYE", with Guest Scientist Arthur Jampolsky, M.D., Director of Eye Research Institute, Presbyterian Medical Center.

December 12: "REPTILES", with Charles Shaw, Curator of Reptiles, San Diego Zoological Society.

December 19: "COMPUTERS THAT LEARN", with Dr. Bernard Widrow, Professor of Electrical Engineering, Stanford University.

December 26: "SALMON BREEDING", with Dr. Lauren Donaldson, Professor of Fisheries, University of Washington.

## NEWS and NOTES .....

Two prominent San Franciscans, Mr. I. W. Hellman, Chairman of the Board of Wells Fargo Bank, and Mr. Charles H. Russell, Vice President in Charge of Media and Radio-Television of Batten, Barton, Durstine & Osborn, Inc., have been announced as new members of the Board of Trustees of the Academy.

Mr. Hellman has long been active in the civic and professional affairs of San Francisco. Mr. Russell has been associated with BBD&O since 1950, having come to San Francisco from New York in 1954.

Concurrent with the above announcement, Mr. Brayton Wilbur, Chairman of the Board of Wilbur-Ellis, Inc., was named Honorary Trustee of the Academy. He has been an active member of the Academy's Board since 1946.

A generous grant from the Belvedere Scientific Fund will permit the Academy to participate effectively in the Galápagos International Scientific Project. The Project, slated to begin in early January 1964 (see NEWSLETTER, News and Notes, June 1963), will involve many scientists of many countries and is to be devoted to a two month study of the Galápagos Islands of Ecuador. The Belvedere Fund has allocated \$15,000 to the Academy for use in this connection which will enable more members of the staff to take part.

At this writing, the following staff members and others closely connected with the Academy will join the expedition: Dr. George E. Lindsay, Dr. Robert C. Miller, Dr. Ira L. Wiggins, Dr. J. Wyatt Durham, Dr. Robert T. Orr, Dr. Alan E. Leviton, Mr. Allyn G. Smith and Mr. David Cavagnaro.

Upon his retirement last October, the Board of Trustees of the Academy conferred upon Dr. Robert C. Miller the title of Senior Scientist, the first such appointment in the Academy's history.

Dr. Miller, for twenty-five years Director, is now Curator of the Department of Invertebrate Zoology. Currently, Dr. Miller is also engaged in the writing of a book on oceanography for which he has contracted.

## RECENT SCIENTIFIC PUBLICATIONS OF THE CALIFORNIA ACADEMY OF SCIENCES

### Occasional Papers

"Pliocene Lake Beds near Dorris, California". G Dallas Hanna and G. Clark Gester. No. 42. September 15, 1963. 60¢.

"Some Pleistocene and Pliocene Freshwater Mollusca from California and Oregon". G Dallas Hanna. No. 43. September 15, 1963. 60¢.

"Galápagos Islands: A Unique Area for Scientific Investigations". A symposium presented at the Tenth Pacific Science Congress of the Pacific Science Association, held at the University of Hawaii, Honolulu, Hawaii, U.S.A., 21 August to 6 September 1961. No. 44. November 8, 1963. \$4.00

**A**nnouncement has been made of the appointment of Mr. Bruce A. Kock of Oakland, California as Honorary Curator of Horology. Mr. Kock, well qualified because of a lifelong interest in time and time telling devices, was a close friend of the late Dr. William Barclay Stephens and shared with him an interest that extended far beyond the horological collection in the Academy. Mr. Kock contributed photographic material for the History of Photography exhibit and is responsible for getting the donation of several early astronomical instruments now on display in the Hall of Science.

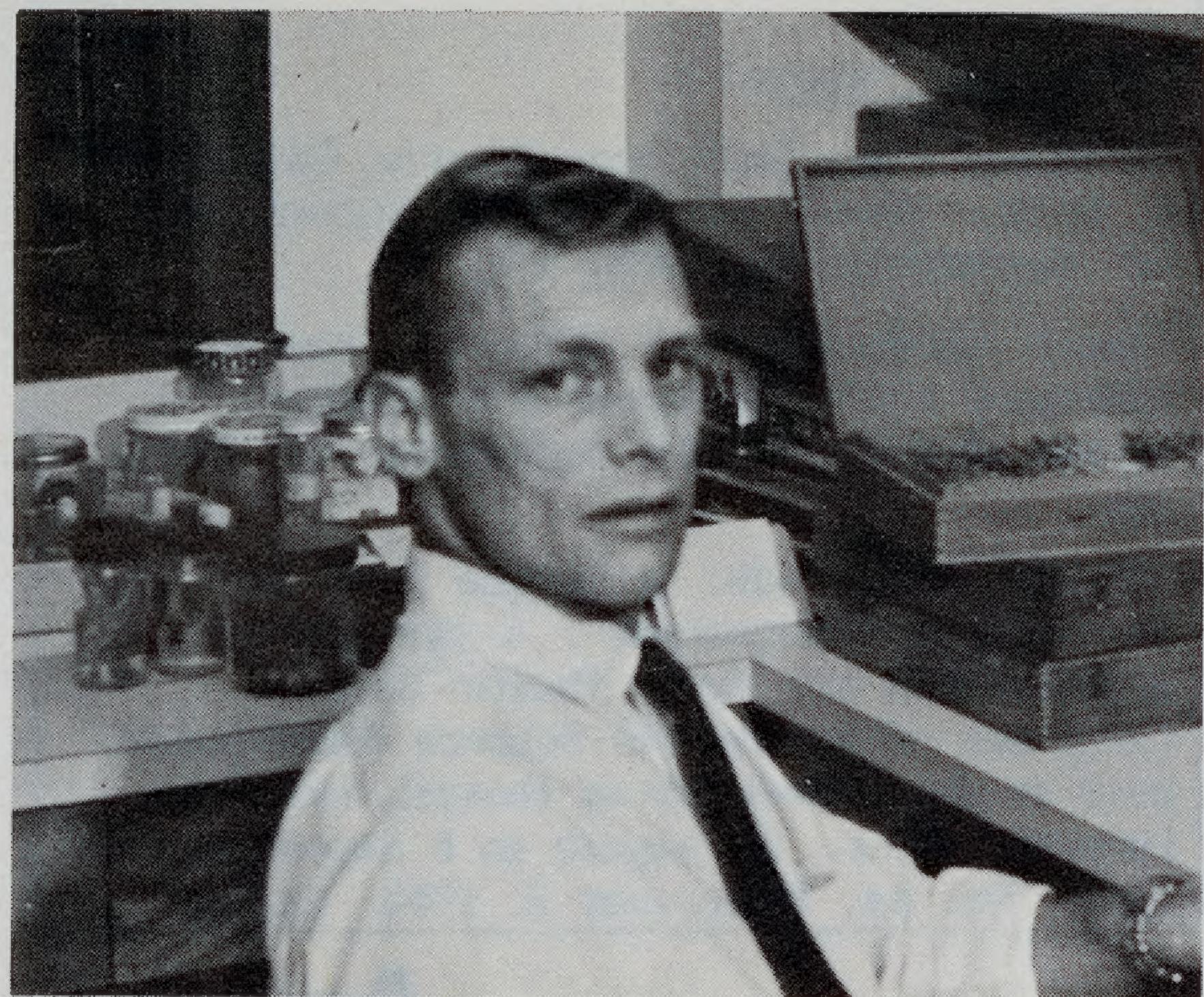
Since Dr. Stephens' death, Mr. Kock has volunteered his services to the Academy by assisting in the maintenance and care of the horological collection. He is a member of the National Association of Clock and Watch Collectors and maintains an extensive collection of his own.

**"SCIENCE IN ACTION"**, the Academy's distinguished television series now enjoying its fourteenth year on the air (a national record for an educational show), is currently being telecast in twelve American cities. Together with San Francisco and the Bay Area, some 15 million potential viewers will find "S in A" on the following local stations: Amarillo, Denver, Honolulu, Johnstown (Pennsylvania), Lexington (Kentucky), Los Angeles, Lubbock, Portland (Oregon), Roswell (New Mexico), Miami and Tampa.

In January, two new markets will be added to the foregoing: New York City and Corpus Christi, Texas.

(Continued on reverse)

## Meet the Staff



**C. DON MacNEILL**, Assistant Curator in the Department of Entomology, has had and continues to have a wide diversity of interests in the various fields of natural history. As a youngster, his first choice was butterflies (an important sign and portent). Later, birds became #1 in his life, particularly California's birds of prey. During his first semester at the University of California at Davis, he found himself patching up and caring for various wounded hawks and owls which were brought to him. When his attentions failed, he pursued an amateur's interest in taxidermy.

World War II interrupted his University studies. After three years service in the Army Air Force in the United States and Hawaii, Don returned to Davis and his major in zoology. This changed to entomology one year later. He received his Bachelor of Science degree from Berkeley in 1950. An expedition to southern Mexico in 1952 afforded his first experience in a region critical to his research interests.

Don first came to the Academy on a full-time basis in 1957 and subsequently, in 1960, received his doctorate from UC at Berkeley. His particular pre-occupation in the insect world is the Hesperioidae (skippers), an equivalent group to the true butterflies. He is continuing his collecting, writing and research in an almost completed laboratory at home, a "do-it-yourself" project of which he is singularly proud.

His wife Grace and their three children enjoy an El Cerrito home and its garden of native plants, particularly California ferns, another of Don's major interests. Tiger salamanders and other stream-margin biota inhabit terraria in the MacNeill household.

Don is a member of the Lepidoptera Society of America, the Pacific Coast Entomological Society, the Society of Systematic Zoologists and the Ecological Society of America.

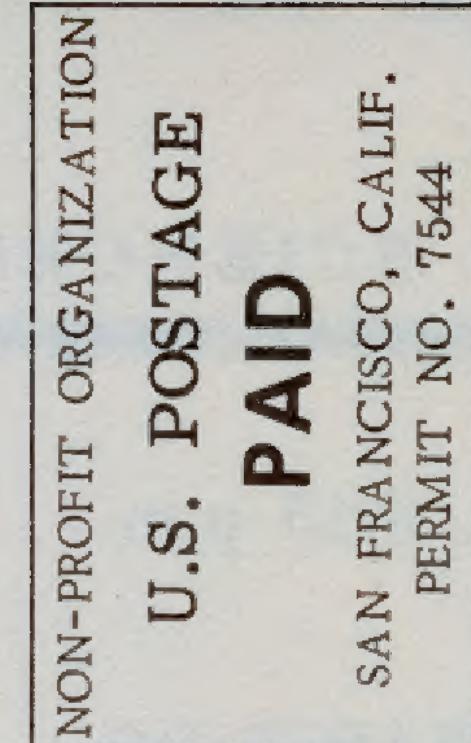
Early 1964 will see the publication, by the University of California Press, of Dr. MacNeill's extensive monograph, "The Skippers of the Genus *Hesperia*".

(NEWS and NOTES continued)

### 'TIS THE SEASON

to remind the membership of the Academy that contributions to the CAS are tax deductible and that your additional support can mean much to our many activities and services. The amount of your gift can do anything from binding a book to building a building. Either or both will be highly acceptable.

HAPPY HOLIDAYS !



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### NEW MEMBERS OF THE ACADEMY

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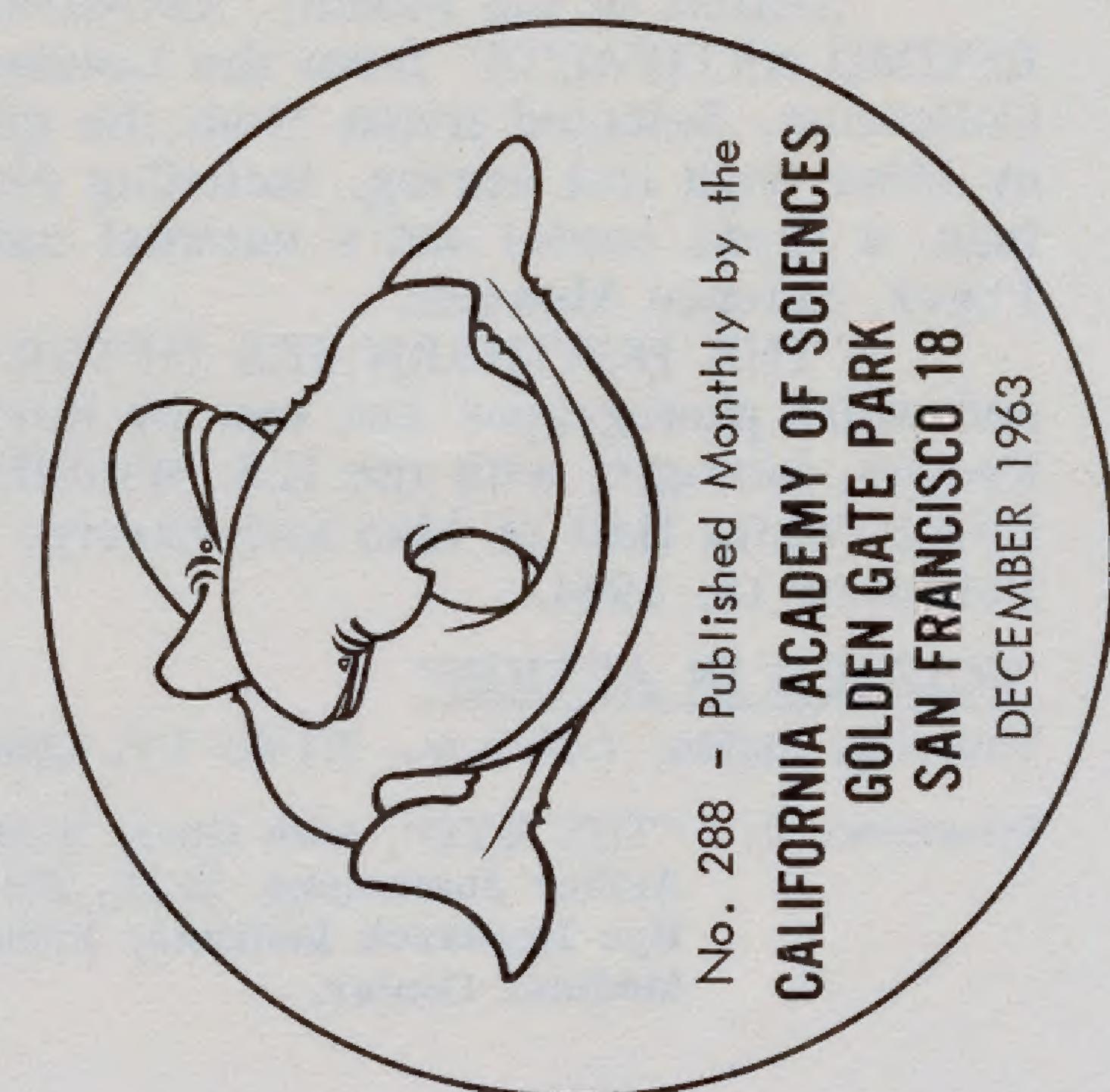
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NEWSLETTER



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